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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,772	09/19/2003	C. David Young	02CR146/KE	9426

7590 04/28/2009  
ROCKWELL COLLINS, INC.  
Attention: Kyle Eppele  
M/S 124-323  
400 Collins Rd. NE  
Cedar Rapids, IA 52498

EXAMINER
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KARIKARI, KWASI

ART UNIT	PAPER NUMBER
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2617

MAIL DATE	DELIVERY MODE
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04/28/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## **DETAILED ACTION**

### **Response to Arguments**

1. This Advisory Action is in response to the Amendment After-Final filed on 04/13/2009. Claims 1-21 are currently pending in the application.

a. In the remarks, the Applicant argues that the combination of Cain and Hulyalkar fails to disclose the claimed limitations;

[“a route management module configured to combine the congestion metric information generated by the plurality of transceiver nodes into a congestion report; the route management module configured to combine routing information for each transceiver node and the congestion report into a plurality of node routing and congestion reports, the route management module is configured to transmit one of the plurality of node routing and congestion reports to each transceiver node based on the routing information”, the data cell includes “routing information” and “wherein the congestion metric information is base on comparing cell counts against a total capacity of each link, a monitoring signal of a processor buffer availability, and a monitoring of signal of priority queues capacity”] (see claim 1).

The Examiner, however respectfully disagrees with such an assertion since the Examiner must give each presented claimed limitation, its broadest reasonable interpretation in light of the Applicant's specification. The Examiner also notices that there is very little description in the claimed limitations which empirically narrows the manner in which the Examiner must interpret such claimed limitations.

In contrast to Applicant's assertion, Hulyalkar is understood to teach mobile wireless terminal/station and each station maintains local database of results of quality assessment for each path to each other station; the organization of network quality assessment measurement as a matrix; the matrix including transmitting stations and receiving stations identifiers and reported quality assessment (see Pars. [0009-10, 0026-30 and 00337-38]; whereby the reported quality assessment is being associated

with the “congestion report”; and the transmitting and receiving stations identifiers are being associated with the “routing information”). Hulyalkar also mentions the a network expands as a person enter or activates his or her communication device; and the network contracts as people leave or sign off the network; management of transmission/traffic flow requests from stations and on demand, controller must allocate sufficient time slot to satisfy granted bandwidth allocation QoS (see Pars. [0017-21]; whereby the expansion and contraction of the network due to its usage is being associated with the “cell counts against a total capacity of each link”).

The teachings of Hulyalkar, as shown above, meets the argued features in claim 1, therefore the combination of Cain and Hulyalkar, which is an analogous art, teaches the claimed limitations in claim 1.

b. Regarding claims 8 and 16, the Applicant argues that the combination of Cain and Hulyalkar fails to teach:

[“generating congestion metric information based on the link utilization; combining the congestion metric information with routing information; transmitting the congestion metric information and routing information”].

In contrast to Applicant’s assertion, Hulyalkar is understood to teach mobile wireless terminal/station and each station maintains local database of results of quality assessment for each path to each other station; the organization of network quality assessment measurement as a matrix; the matrix including transmitting stations and receiving stations identifiers and reported quality assessment (see Pars. [0009-10, 0026-30 and 00337-38]; whereby the reported quality assessment is being associated with the “congestion report”; and the transmitting and receiving stations identifiers are being associated with the “routing information”).

The teachings of Hulyalkar, as shown above, meets the argued features in claims 8 and 16, therefore the combination of Cain and Hulyalkar, which is an analogous art, teaches the claimed limitations in claims 8 and 16.

c. Claims 2-3, 7, 9-15 and 17-22 are rejected by virtue of their dependency of claims 1, 8 and 16.

Therefore, the Final Office Action is being maintained; and any amendments to specifically describe or clarify the Applicant's invention may require further search and re-consideration.

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwasi Karikari whose telephone number is 571-272-8566. The examiner can normally be reached on M-T (9am - 7pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8566.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you

Art Unit: 2617

have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Kwasi Karikari/  
Patent Examiner Art Unit 2617.

/Charles N. Appiah/  
Supervisory Patent Examiner, Art Unit 2617